AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for providing a printing capability for a transcription service, comprising:

a printing means;

a transcription service for producing transcribed text; and

a real time transcription (RTT) print server for receiving ~~receiveing~~ transcribed text output from said transcription service and translating the transcribed text output into a format compatible with said printing means, said RTT print server including a Multimedia Integration Module (MIM) for integrating video, images, or graphs into transcribed text output on the printing means, the RTT print server including:

an Input/Output (I/O) communication module for providing an interface with the transcription service and the printing means;

a Fax Connection Module for maintaining an active connection with the printing means;

an Audio Fragment Management Module (FMM) for buffering transcribed text into fragments and sending said fragments to be printed on the printing means;

a Control Module for controlling the real time transcription process, for directing signals in the RTT print server, for storing user preferences, and for storing information about at least one printing means;

a Multimedia Synchronization Module (MSM) for synchronizing multimedia signals with transcribed text output on the printing means, the MSM including a Signal Separator for separating out an audio and a video signal from a multimedia input signal; and

a Synchronizer for receiving said separated audio and video signals, for time-aligning, if necessary, said separated audio and video signals, and for synchronizing said separated audio and video signals with transcribed text output from the FMM.

2. (Original) The system as recited in claim 1, wherein the printing means comprises a fax machine.

3. (Original) The system as recited in claim 1, wherein the printing means comprises a

printer.

4. (Original) The system as recited in claim 1, wherein the printing means comprises a telex machine.

5. (Original) The system as recited in claim 1, wherein the transcription service comprises:

a stenograph writer; and

a processor for implementing a program which translates data input from the stenograph writer into transcribed text.

6. (Original) The system as recited in claim 1, wherein the transcription service comprises:

a microphone; and

an Automatic Speech Recognition (ASR) program running on a processor connected to said microphone.

7-9. (Canceled)

10. (Original) The system as recited in claim 1, further comprising:

a network;

a connection between the printing means and the network;

a processor running the transcription service; and

a processor running the RTT print server.

11. (Original) The system as recited in claim 7, wherein the printing means is a fax machine, and the Fax Communication Module maintains an active communication link by sending delay frames to the fax machine.

12. (Previously Presented) The system as recited in claim 1, wherein the MIM comprises:

a Continuous-to-Discrete (C/D) Translator for receiving a continuously streaming video signal, for creating still images based on C/D Translator criteria, and for outputting said still images

to an Image Buffer;

the Image Buffer for receiving still images, graphics, or diagrams, for storing said still images, graphics, or diagrams, and for outputting said still images, graphics, or diagrams to the printing means when an Interleaver directs it to do so; and

the Interleaver for interleaving still images, graphics, or diagrams between transcribed text on the printing means by directing the Image Buffer when to send still images, graphics, or diagrams to the printing means and by receiving transmission information from the FMM;

wherein said C/D Translator criteria comprises at least one of a time interval between snapshots, a location to crop a smaller still image inside a video image, a resolution for the still image, and a printed size for the still image on output from the printing means.

13. (Canceled)

14. (Original) The system as recited in claim 7, wherein the granularity of fragments buffered by the FMM is adjustable, and ranges from words to complete sentences; and further wherein the FMM keeps each fragment whole on a single page.

15. (Original) The system as recited in claim 1, wherein the transcription service is part of a multimedia presentation, further comprising:

at least one display means for displaying a video signal from the multimedia presentation; and

at least one speaker for playing an audio signal of the multimedia presentation;

wherein the at least one display means comprises at least one of a computer monitor, a television screen, a Personal Digital Assistant (PDA) display, and a display in an embedded device.

16. (Original) The system as recited in claim 1, further comprising:

a processor for running the transcription service and the RTT print server, said processor being in a Personal Digital Assistant (PDA); and

a communication link between said PDA and the printing means.

17. (Original) The system as recited in claim 7, wherein the Control Module has a Graphical User Interface (GUI) module which provides a graphical interface on a display, wherein the GUI allows a user to input control parameters and preferences concerning real-time transcription.

18-29. (Canceled)

30. (Previously Presented) A method for providing a printing capability for a real time transcription service, comprising the steps of:

receiving information concerning at least one printing means;

receiving a user's instructions and parameters concerning a real-time transcription;

receiving transcribed text from a transcription service;

translating the transcribed text into a format compatible with the at least one printing means; and

maintaining an active connection with the at least one printing means,

wherein the step of maintaining an active connection with the at least one printing means comprises the sub-step of sending a delay frame to the at least one printing means.

31. (Original) The method as recited in claim 30, wherein the translating step comprises the sub-step of:

integrating video, images, or graphics into transcribed text output on the at least one printing means.

32. (Original) The method as recited in claim 30, wherein the translating step comprises the sub-step of:

synchronizing multimedia signals with transcribed text output on the at least one printing means.

33. (Canceled)

34. (Original) The method as recited in claim 31, wherein the integrating sub-step comprises

the steps of:

receiving a continuously streaming video signal;

creating still images from the continuously streaming video signal based on still image criteria;

outputting said still images to an Image Buffer;

storing still images, graphics, or diagrams in an Image Buffer;

interleaving stored still images, graphics, or diagrams between transcribed text as output on the at least one printing means;

wherein said still image criteria comprises at least one of a time interval between still images, a location to crop a smaller still image inside a video image, a resolution for the still image, and a printed size for the still image in output from the printing means.

35. (Original) The method as recited in claim 32, wherein the synchronizing sub-step comprises the steps of:

separating out an audio and a video signal from a multimedia input signal;

time-aligning, if necessary, said separated audio and video signals; and

synchronizing said separated audio and video signals with transcribed text output from the at least one printing means.

36. (Original) The method as recited in claim 30, wherein the translating step comprises the sub-step of:

buffering transcribed text into fragments; and

sending said fragments to be printed on the at least one printing means.

37. (Original) The method as recited in claim 36, wherein the granularity of fragments in the buffering sub-step is adjustable, and ranges from words to complete sentences, the buffering sub-step comprising the sub-sub-step of:

keeping each fragment whole on a single page.

38. (Original) The method as recited in claim 30, further comprising the steps of:

displaying a video signal from a multimedia presentation on at least one displaying means; and

playing an audio signal of the multimedia presentation on at least one speaker;

wherein the transcription is part of said multimedia presentation; and

wherein the at least one displaying means comprises at least one of a computer monitor, a television screen, a Personal Digital Assistant (PDA) display, and a display in an embedded device.

39. (Original) The method as recited in claim 30, further comprising the step of:

providing a Graphical User Interface (GUI) on a display, said GUI allowing a user to input control parameters and preferences concerning real-time transcription.

40-52. (Canceled)

53. (Currently Amended) A computer system for providing a printing capability for a real time transcription service, the computer system comprising:

at least one computer-readable medium including:

code that receives information concerning at least one printing means;

code that receives a user's instructions and parameters concerning a real-time transcription;

code that receives transcribed text from a transcription service;

code that translates the transcribed text into a format compatible with the at least one printing means, the code that translates the transcribed text into a format compatible with the at least one printing means comprises code that integrates video, images, or graphics into transcribed text output on the at least one printing means; and

code that maintains an active connection with the at least one printing means including code that maintains an active communication link by sending delay frames to the at least one printing means.

54. (Previously Presented) The computer system as recited in claim 53, wherein the code that translates the transcribed text into a format compatible with the at least one printing means comprises:

code that buffers transcribed text into fragments; and

code that sends said fragments to be printed to the at least one printing means.

55. (Original) The computer system as recited in claim 53, wherein the code that translates the transcribed text into a format compatible with the at least one printing means comprises:

code that synchronizes multimedia signals with transcribed text output on the at least one printing means;

code that buffers transcribed text into fragments; and

code that sends said fragments to be printed to the at least one printing means.

56. (Canceled).

57. (Original) The computer system as recited in claim 54, wherein the code that integrates video, images, or graphics into transcribed text output on the at least one printing means comprises:

code that receives a continuously streaming video signal;

code that creates still images from the continuously streaming video signal based on still image criteria;

code that outputs said still images to an Image Buffer;

code that stores still images, graphics, or diagrams in an Image Buffer;

code that interleaves stored still images, graphics, or diagrams between transcribed text as output on the at least one printing means;

wherein said still image criteria comprises at least one of a time interval between still images, a location to crop a smaller still image inside a video image, a resolution for the still image, and a printed size for the still image as output from the printing means.

58. (Original) The computer system as recited in claim 55, wherein the code that synchronizes multimedia signals with transcribed text output on the at least one printing means comprises:

code that separates out an audio and a video signal from a multimedia input signal;

code that time-aligns, if necessary, said separated audio and video signals; and

code that synchronizes said separated audio and video signals with transcribed text output from the at least one printing means.

59. (Original) The computer system as recited in claim 53, wherein the code that translates the transcribed text into a format compatible with the at least one printing means comprises:

code that buffers transcribed text into fragments;

code that keeps each fragment whole on a single page; and

code that sends said fragments to be printed to the at least one printing means;

wherein the granularity of fragments in the code that buffers is adjustable, and ranges from words to complete sentences.

60. (Original) The computer system as recited in claim 53, further comprising:

at least one computer-readable medium including:

code that displays a video signal from a multimedia presentation on at least one display means;

code that plays an audio signal of the multimedia presentation on at least one speaker;

wherein the transcription is part of said multimedia presentation; and

wherein the at least one display means comprises at least one of a computer monitor, a television screen, a Personal Digital Assistant (PDA) display, and a display in an embedded device.

61. (Original) The computer system as recited in claim 53, wherein all the code is run on a Personal Digital Assistant (PDA).

62. (Original) The computer system as recited in claim 53, wherein the at least one computer-readable medium further includes:

code that provides a Graphical User Interface (GUI) on a display, said GUI allowing a user to input control parameters and preferences concerning real-time transcription.

63-81. (Canceled)

82. (Currently Amended) The system as recited in claim 1, 9, further comprising:

at least one other printing means;

wherein the MSM synchronizes transcribed text to be output on the printing means and the at least one other printing means.

83. (Canceled)

84. (Previously Presented) The system of claim 1, further comprising:

a processor running fax emulation software;

a display means operatively connected to said processor; and

wherein said RTT print server receives transcribed text output from said transcription service and translates it into a format compatible with said fax emulation software.

85. (Previously Presented) The method of claim 30, further comprising the steps of:

running fax emulation software on a processor;

receiving information concerning a display means, said display means operatively connected to said processor;

receiving the transcribed text from the transcription service and translating the transcribed text into a format compatible with the fax emulation software; and

maintaining an active connection with the fax emulation software.

86. (Previously Presented) The computer system of claim 53, wherein the at least one computer-readable medium further comprises:

code that emulates a fax machine, said emulation including code that displays received fax data on a display means;

code that receives information concerning said display means;

code that translates the transcribed text into a format compatible with the code that emulates a fax machine; and

code that maintains an active connection with the code that emulates a fax machine.

87. (New) A system for providing a printing capability for a transcription service, comprising:

a printing means;

a transcription service for producing transcribed text; and

a real time transcription (RTT) print server for receiving transcribed text output from said transcription service and translating the transcribed text output into a format compatible with said printing means, said RTT print server including a Multimedia Integration Module (MIM) for integrating video, images, or graphs into transcribed text output on the printing means, wherein the MIM includes:

a Continuous-to-Discrete (C/D) Translator for receiving a continuously streaming video signal, for creating still images based on C/D Translator criteria, and for outputting said still images to an Image Buffer;

the Image Buffer for receiving still images, graphics, or diagrams, for storing said still images, graphics, or diagrams, and for outputting said still images, graphics, or diagrams to the printing means when an Interleaver directs it to do so; and

the Interleaver for interleaving still images, graphics, or diagrams between transcribed text on the printing means by directing the Image Buffer when to send still images, graphics, or diagrams to the printing means and by receiving transmission information from the FMM;

wherein said C/D Translator criteria comprises at least one of a time interval between snapshots, a location to crop a smaller still image inside a video image, a resolution for the still image, and a printed size for the still image on output from the printing means.

88. (New) A system for providing a printing capability for a transcription service, comprising:

a printing means;

a transcription service for producing transcribed text; and

a real time transcription (RTT) print server for receiving transcribed text output from said transcription service and translating the transcribed text output into a format compatible with said printing means, said RTT print server including a Multimedia Integration Module (MIM) for integrating video, images, or graphs into transcribed text output on the printing means, the RTT print

server including:

an Input/Output (I/O) communication module for providing an interface with the transcription service and the printing means;

a Fax Connection Module for maintaining an active connection with the printing means;

the Audio Fragment Management Module (FMM) for buffering transcribed text into fragments and sending said fragments to be printed on the printing means; and

a Control Module for controlling the real time transcription process, for directing signals in the RTT print server, for storing user preferences, and for storing information about at least one printing means;

wherein the granularity of fragments buffered by the FMM is adjustable, and ranges from words to complete sentences; and further wherein the FMM keeps each fragment whole on a single page.

89. (New) A computer system for providing a printing capability for a real time transcription service, the computer system comprising:

at least one computer-readable medium including:

code that receives information concerning at least one printing means;

code that receives a user's instructions and parameters concerning a real-time transcription;

code that receives transcribed text from a transcription service;

code that translates the transcribed text into a format compatible with the at least one printing means, the code that translates the transcribed text into a format compatible with the at least one printing means includes code that integrates video, images, or graphics into transcribed text output on the at least one printing means, code that buffers transcribed text into fragments, and code that sends said fragments to be printed to the at least one printing means; and

code that maintains an active connection with the at least one printing means;

wherein the code that integrates video, images, or graphics into transcribed text output on the at least one printing means includes code that receives a continuously streaming video signal, code that creates still images from the continuously streaming video signal based on still image criteria, code that outputs said still images to an Image Buffer, code that stores still images, graphics, or

diagrams in an Image Buffer, and code that interleaves stored still images, graphics, or diagrams between transcribed text as output on the at least one printing means; and further wherein said still image criteria comprises at least one of a time interval between still images, a location to crop a smaller still image inside a video image, a resolution for the still image, and a printed size for the still image as output from the printing means.

90. (New) A computer system for providing a printing capability for a real time transcription service, the computer system comprising:

at least one computer-readable medium including:

code that receives information concerning at least one printing means;

code that receives a user's instructions and parameters concerning a real-time transcription;

code that receives transcribed text from a transcription service;

code that translates the transcribed text into a format compatible with the at least one printing means, the code that translates the transcribed text into a format compatible with the at least one printing means includes code that integrates video, images, or graphics into transcribed text output on the at least one printing means, code that synchronizes multimedia signals with transcribed text output on the at least one printing means, code that buffers transcribed text into fragments, and code that sends said fragments to be printed to the at least one printing means.; and

code that maintains an active connection with the at least one printing means;

wherein the code that synchronizes multimedia signals with transcribed text output on the at least one printing means includes code that separates out an audio and a video signal from a multimedia input signal, code that time-aligns, if necessary, said separated audio and video signals; and code that synchronizes said separated audio and video signals with transcribed text output from the at least one printing means.

91. (New) A computer system for providing a printing capability for a real time transcription service, the computer system comprising:

at least one computer-readable medium including:

code that receives information concerning at least one printing means;

code that receives a user's instructions and parameters concerning a real-time transcription;

code that receives transcribed text from a transcription service;

code that translates the transcribed text into a format compatible with the at least one printing means, the code that translates the transcribed text into a format compatible with the at least one printing means comprises code that integrates video, images, or graphics into transcribed text output on the at least one printing means; and

code that maintains an active connection with the at least one printing means;

wherein the code that translates the transcribed text into a format compatible with the at least one printing means includes code that buffers transcribed text into fragments, code that keeps each fragment whole on a single page, and code that sends said fragments to be printed to the at least one printing means, wherein the granularity of fragments in the code that buffers is adjustable, and ranges from words to complete sentences.